IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Teck Kheng Lee

Serial No.: Not Yet Assigned

Filed: April 22, 2004

For: METHODS FOR ASSEMBLY AND

PACKAGING OF FLIP CHIP

CONFIGURED DICE WITH INTERPOSER

Confirmation No.: Unknown

Examiner: Unknown

Group Art Unit: Unknown

Attorney Docket No.: 2269-4974.1US

(00-0693.01/US)

NOTICE OF EXPRESS MAILING

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Person making Deposit: Christopher Haughton

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

The present application is a divisional of application Serial No. 10/150,901, filed May 17, 2002, pending, which is related to U.S. Patent Application Serial No. 09/944,465 filed August 30, 2001 and entitled MICROELECTRONIC DEVICES AND METHODS OF MANUFACTURE, and to the following U.S. Patent Applications also filed May 17, 2002: Serial No. 10/150,893, entitled INTERPOSER CONFIGURED TO REDUCE THE PROFILES OF SEMICONDUCTOR DEVICE ASSEMBLIES AND PACKAGES INCLUDING THE SAME AND METHODS; Serial No. 10/150,892, entitled METHOD AND APPARATUS FOR FLIP-CHIP PACKAGING PROVIDING TESTING CAPABILITY; Serial No. 10/150,516, entitled

Attorney Docket No.: 2269-4974.1US

SEMICONDUCTOR DIE PACKAGES WITH RECESSED INTERCONNECTING STRUCTURES AND METHODS FOR ASSEMBLING THE SAME; Serial No. 10/150,653, entitled FLIP CHIP PACKAGING USING RECESSED INTERPOSER TERMINALS; and Serial No. 10/150,902, entitled METHOD AND APPARATUS FOR DIELECTRIC FILLING OF FLIP CHIP ON INTERPOSER ASSEMBLY.

Pursuant to M.P.E.P. 2001.06(b), the Examiner is respectfully requested to consider the information of record in the prior applications, and to confirm in the first Office Action on the merits that such art has in fact been reviewed. A PTO-1449 form listing all of the information of record in the prior applications is enclosed herewith.

This Information Disclosure Statement is filed within three (3) months of the filing date of the above-identified application, and no certification pursuant to 37 C.F.R. § 1.97(c) or a fee pursuant to 37 C.F.R. 1.17(p) is required.

Respectfully submitted,

Trent N. Butcher, P.E.

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Registration No. 51,518

Attorney for Applicant(s)

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Date: April 22, 2004

TNB/ps:ljb

Enclosures: Form PTO-1449

Document in ProLaw

Sheet 1 of 9 Form PTO-1449 **Docket Number (Optional) Application Number** 2269-4974.1US Not Yet Assigned (00-0693.01/US) INFORMATION DISCLOSURE CITATION IN AN APPLICATION Applicant Teck Kheng Lee (Use several sheets if necessary) Filing Date April 22, 2004 Group Art Unit Unknown **U.S. PATENT DOCUMENTS** EXAMINER DOCUMENT FILING DATE DATE CLASS SUBCLASS NAME IF APPROPRIATE INITIAL NUMBER 4,807,021 02/1989 Okumura Khandros et al. 5,347,159 09/1994 5,366,794 11/1994 Nakao 5,385,869 01/1995 Liu et al. 5,386,341 01/1995 Olson et al. 5,397,921 03/1995 Karnezos 5,409,865 04/1995 Karnezos 5,422,205 06/1995 Inoue et al. 5,438,477 08/1995 **Pasch** 09/1995 Paurus et al. 5,448,511 5,504,277 04/1996 Danner FOREIGN PATENT DOCUMENTS Translation DOCUMENT NUMBER SUBCLASS DATE CLASS APPLICANT YES WO 99/65282 12/1999 Eide JP 2002-028702/04 09/1999 Katsumasa JP 2000-183082 06/2000 Hitachi Ltd. OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) U. S. Patent Application entitled MICROELECTRONIC DEVICES AND METHODS OF MANUFACTURE, filed August 30, 2001, Serial No. 09/944,465. ISAAK, H. et al., "Development of Flex Stackable Carriers" IEEE Electronic Components and Technology Conference, 2000 Proceedings 50th, 5/21/2000-5/24/2000, Las Vegas, NV, USA, pp. 378-84, IEEE Catalog No: 00CH37070. Copy of Australian Patent Office, Search Report, 30 May 2003, 4 pages. **EXAMINER** DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

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Docket Number (Optional) 2269-4974.1US (00-0693.01/US) Application Number Not Yet Assigned

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Filing Date April 22, 2004 Group Art Unit Unknown **U.S. PATENT DOCUMENTS** FILING DATE IF APPROPRIATE CLASS DATE NAME SUBCLASS 11/1999 Samaras et al. 12/1999 Holman et al. 12/1999 Iwabuchi 01/2000 Hirakawa 01/2000 Akram et al. 02/2000 Farnworth et al. 02/2000 Lemke et al. 02/2000 Sinsheimer et al. 02/2000 Akram et al. 03/2000 Lan et al. 03/2000 Zhang et al. FOREIGN PATENT DOCUMENTS Translation DATE COUNTRY CLASS SUBCLASS YES NO

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Sheet 6 of 9 Form PTO-1449 **Docket Number (Optional) Application Number** 2269-4974.1US **Not Yet Assigned** INFORMATION DISCLOSURE CITATION (00-0693.01/US) IN AN APPLICATION Applicant Teck Kheng Lee (Use several sheets if necessary) Group Art Unit Unknown Filing Date April 22, 2004 **U.S. PATENT DOCUMENTS** EXAMINER INITIAL DOCUMENT NUMBER FILING DATE IF APPROPRIATE DATE NAME CLASS SUBCLASS 6,040,630 03/2000 Panchou et al. 04/2000 6,050,832 Lee et al. 6,057,178 05/2000 Galuschki et al. 05/2000 6,060,782 Ohsono et al. Higgins, III 6,064,114 05/2000 6,072,233 06/2000 Corisis et al. 6,074,897 06/2000 Degani et al. 6,075,710 06/2000 Lau 6,079,991 06/2000 Lemke et al.

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Sheet 8 of 9 Docket Number (Optional) **Application Number** Form PTO-1449 2269-4974.1US **Not Yet Assigned** INFORMATION DISCLOSURE CITATION (00-0693.01/US) IN AN APPLICATION Applicant Teck Kheng Lee (Use several sheets if necessary) Filing Date April 22, 2004 Group Art Unit Unknown **U.S. PATENT DOCUMENTS** DOCUMENT NUMBER EXAMINER INITIAL FILING DATE DATE NAME CLASS SUBCLASS IF APPROPRIATE 6,212,768 B1 04/2001 Murakami 04/2001 Takano et al. 6,214,156 B1 6,218,202 B1 04/2001 Yew et al. 04/2001 Estes et al. 6,219,911 B1 6,221,763 B1 04/2001 Gilton et al. 05/2001 6,225,688 B1 Kim et al. 6,229,711 B1 05/2001 Yoneda 07/2001 6,262,895 B1 Forthun 6,291,775 B1 09/2001 Saitoh 6,294,455 B1 09/2001 Ahn 6,300,679 B1 10/2001 Mukerji et al. FOREIGN PATENT DOCUMENTS Translation DOCUMENT SUBCLASS DATE COUNTRY CLASS NUMBER YES NO OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) **EXAMINER** DATE CONSIDERED

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Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION

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